

# MINING ENGINEERING INDEX TO VOLUME 18

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Sunshine Mining signs kyanite production lease with Idaho	Jul	29
Surface Combustion Division of Midland-Ross to build iron pelletizing plant for National Steel Pellet	Feb	34

Tasmania off-shore tin phosphates to be sought under agreement signed by six companies	Apr	23
Tasmanian ore project to have international participation	Jan	25
Tax deductions liberalized for mine exploration and development	Apr	19
Teck Corp. to develop Ontario copper deposit	Oct	42
Texada Mines to extract phosphate and potash from Peru's Secura Desert	Dec	17
Texas awards off-shore sulfur rights to Occidental Petroleum	Jul	56
Texas Gulf awards phosphoric acid plant contract to Wellman-Lord	Jan	21
Texas Gulf buys mineral lands from Curtis Publishing	Jul	23
Texas Gulf decision to be appealed by SEC	Oct	43
Texas Gulf may participate in Mexican sulfur exploration	Dec	20
Texas Gulf shipping phosphate from Lee Creek mine	Jun	6
Texas Gulf starts operations at Hoyle concentrator	Dec	8
Texas Gulf to explore in Gulf of Mexico	Jun	16
Texas Gulf to ship copper to Noranda for processing	Aug	8
Texas Gulf will increase capacity of Kidd Creek mine	Mar	7
Texas Instruments subsidiaries to survey Colombian mineral tracts	Aug	8
Thailand reports substantial development of new tin deposits	Jun	22
Thailand tin smelter announced by Union Carbide	Jan	21
Thiess-Peabody-Mitsui Coal to get 130-cu.-yd. dragline bucket	Oct	8
Tin Agreement, Third International, signed in London	Mar	17
TOSCO, Cleveland-Cliffs and Sohio plan oil shale research	Dec	20
Tribag Mining is taken over by Teck Corp.	Oct	42
Turner, Scott, named first Distinguished Alumnus of Michigan Tech	Oct	21

Union Carbide and Southwest Portland find oxygen improves cement kiln performance	Oct	28
Union Carbide announces start of first Thailand tin smelter	Jan	21
Union Carbide deeds 1000 acres to Ohio for research	Jun	7



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Union Carbide to build oxygen plant in Minnesota Apr 23  
Union Minière loses mineral rights Jul 10  
Union Minière suggests copper rail solution for Zambia-Rhodesia tie-up Aug 7  
United Arab Republic to have UN aid in Aswan mineral assessment Dec 25  
United Keno cuts back Yukon operations for lack of miners Dec 28  
UN ad hoc group to study resources Jun 22  
UN report cites gains in world mineral exploration and development Mar 9  
UN seminar held to discuss new concentration techniques Apr 10  
UN to aid UAR in Aswan mineral assessment Dec 25  
U.S. bill to spur research activity is endorsed by AIME Aug 8  
U.S. Bureau of Land Management proposes new lease rules Jul 23  
USBM acquires second vessel for undersea mining research Jan 28  
USBM and AMC name six mines for National Safety Awards Jul 43  
USBM and Virginia sign pact for joint coal mine inspection Dec 15  
USBM develops continuously testing methane monitor Jun 7  
USBM Director Hibbard takes office Jan 24  
USBM makes carbon black from coal May 16  
USBM may have key to Salt Lake mineral exploitation Jul 18  
USBM offers work-study program for graduate students Sep 22  
USBM reports 5% gain in U.S. energy consumption Apr 19  
USBM reports world mineral output at new peak Jan 16  
USBM research aided by new law Dec 9  
USBM says fire not apt to detonate fertilizer AN Jul 28  
USBM tests device to quench methane coal mine explosions Oct 14  
USBM to test electrocarbonization of oil shale deposit Feb 22  
U.S. Commerce Department puts iron ore on free export list Dec 28  
U.S. displaces Japan as leading BOF steel producer Dec 30  
U.S. energy consumption rises 5% Apr 19  
USGS appoints new chief geologist Jan 9  
USGS funds to aid Busty Belle Mines in Alaska silver quest Nov 21  
USGS offices to be linked by nationwide computing system Jul 27  
USGS prepares buffer well against salt water contamination Feb 44  
USGS reports U.S. has largest oil shale potential Feb 22  
USGS team to map Byrd Land in Antarctica Dec 12  
USGS to have new headquarters Jul 16  
U.S. has largest oil shale potential, USGS reports Feb 22  
U.S. Interior Department appoints Pecora to head EROS space program Nov 25

U.S. Interior Department awards coal power contract to Gouridine Systems Jul 20  
U.S. Interior Department commissions Empire Contracting to fight Pennsylvania coal fire Oct 32  
U.S. Interior Department is empowered to contract with outside agencies Dec 9  
U.S. Interior Department names team for underseas program Oct 7  
U.S. Interior Department Unit Citation is presented to International Division Feb 44  
U.S. lead production moved up slightly in 1965 Feb 17  
U.S. Office of Science and Technology to make 10-year study of earthquakes Apr 10  
U.S. received record income from 1965 mineral operations Jan 16  
U.S. senators press for effective national policy on minerals Oct 41  
U.S. signs agreement for 36¢ Chilean copper as world shortage worsens Mar 7  
U.S. Steel builds 4.5-million-tpy pellet plant on Mesabi Oct 7  
U.S. Steel envisions future high-capacity drill jumbo May 16  
U.S. Steel forms new chemical division Mar 24  
U.S. Steel shows designs for machines of the future Mar 14  
U.S. suspends copper import duty Jul 28  
U.S. to sell uranium to India Aug 7  
U.S. uranium ore reserves estimated by AEC Aug 8  
United Steelworkers go back to work at International Nickel Sep 11  
United Steelworkers reach accord with International Nickel Nov 21  
Universal Motion sells Maron Power Shovel Division to Pittsburgh Coke and Chemical Feb 47  
University of California monitors San Andreas fault Apr 8  
University of Denver oil shale center is joined by Humble Oil May 16  
University of Denver oil shale center is joined by three industrial participants Jan 31  
University of Illinois scholarship created by Old Ben Aug 27  
USSR reports large gold find Jun 16  
USSR welcomes Japanese interest in Siberian mineral development Dec 12  
Utah Construction has Swiss contract for uranium oxide Jul 54  
Utah Construction to sell uranium to GE Aug 13  
Utah Construction to ship uranium oxide to Sweden Jun 9  
Utah Copper Division of Kennecott to produce rhenium Jul 53  
Utah Engineering Council names R. V. Pierce and J. J. Jonsson Outstanding Engineers of the Year Jan 32

**V**  
Virginia and USBM sign pact for joint coal mine inspection Dec 15  
**W**  
WABCO delivers 110-ton jaw crusher to Cassiar mine Dec 17  
WABCO rear dump trailer hauls 160-ton payload Sep 21  
Wabush Mines concentrator and mill severely damaged by fire Apr 13  
Wando River sails for Tasmania with new sampler Aug 22  
Wellman-Lord awarded contract for Kerr-McGee phosphate plant May 26  
Wellman-Lord gets contract for Freeport chemical units Dec 13  
Wellman-Lord merges with Bechtel Jul 14  
Wellman-Lord to build fertilizer complex for New Jersey Zinc Sep 22  
Wellman-Lord to build phosphoric acid plant for Allied Chemical Jan 25  
Wellman-Lords wins contract for Texas Gulf phosphoric acid plant Jun 21  
Western Equities to try for control of Independent Coal Jul 54  
Western Mining finds 12% nickel prospect in Australia Nov 16  
Western Nuclear is exploring large areas of Canada and Australia Mar 14  
Westinghouse Deepstar 4000 ready for undersea projects Feb 39  
Westinghouse designs drill for lunar exploration Sep 19  
White Pine wins National Safety Council Award of Honor Jun 22  
Woods Hole geologists report rich marine Manganese deposit May 15  
World mineral exploration and development is gaining Mar 9  
World mineral output reaches new high Jan 16  
World tin mine output showed 10-month gain Apr 8  
**Y**  
Yawata Iron and Steel and Showa Denko to own third of U.S. smelter Oct 12  
Yawata Iron and Steel pellet pact with Hamameter Iron canceled Mar 7  
**Z**  
Zambia classifies copper and coal news, recommends raise for African miners Dec 9  
Zambia mining threatened by Rhodesian political crisis Feb 7  
Zambia offered copper rail route by Congo Aug 7  
Zambia wildcat strikes slow copper-belt production Apr 7

## PART II. SME News Items

### A

AIME Annual Meeting, see Meetings  
AIME Annual Report, 1965 Mar 77  
AIME Board of Directors Apr 91  
AIME Education Newsletter Jun 83  
AIME Endorses bill Aug 8  
AIME engineers compared with average Mar 76  
AIME enrolls 40,000th member Feb 47  
AIME Honorary Membership awarded to R. N. Hunt and C. V. Millikan Jan 33  
AIME 1965 Membership Contest Apr 19  
AIME 1966 Membership Contest Jun 16, Jul 203, Aug 91, Oct 128, Dec 102  
AIME names Henry Krumb Lecturers Jun 9  
AIME Officers for 1967 Jul 194  
AIME participates in 71st annual convention of Northwest Mining Association Feb 51  
AIME presents awards at 17th International Science Fair Jul 42  
AIME Publications:  
SME Preprints, 1966 Annual Meeting Apr 28, Jun 75, Aug 50, Sep 90  
SME Preprints, 1966 Fall Meeting Oct 135, Nov 44  
American Geophysical Union establishes Walter H. Bucher Memorial Fund Jul 46  
American Mining Congress Meeting Nov 10

American Power Conference Apr 31  
American professors sought for foreign lectureships Jan 107  
Anadarko Section Apr 19  
Appalachian problems Mar 41  
Appleton, H. Newell dies Nov 9  
Arizona University of: Jan 37  
Mineral law symposium  
Receives NSF grant for paleomagnetic studies Mar 89  
Atkinson to Chair 1967 Annual Meeting Sep 9  
Awards:  
Allaman, Paul T. Jan 89  
Breedis, John F. Mar 17  
Certificate of Distinguished Service, Society of Professional Engrs Aug 22  
Cisler, Walter L. Sep 11  
Columbia Section names 1965 Engineer of Year May 19  
Cordiner, Ralph C. Jul 58  
Counsellman, Theodore B. May 31  
Crabtree, Edwin H. Jan 80  
Cummins, Arthur B. Jan 89  
Dept. of Interior Unit Citation Feb 44  
Douglas Gold Medal Feb 35  
Durrer, Robert Jan 90  
Egleston Medal, Columbia University May 31  
Elkins, Lloyd E. Jan 91  
Fairless Award Jan 90  
Fritz Medal Sep 11  
Gantt Medal Jul 58  
Geological Society of America Earth Science Award Feb 51

Golkosky, Robert Aug 22  
Goss, Wesley P. Jan 92  
Hanley, Herbert R. Jan 91  
Hardinge Award Jan 89  
Holland, Charles T. Dec 00  
Jackling Award Jan 89  
Jonsson, J. J. Jan 32  
King, Philip Burke Feb 51  
Lency, George W. Jan 92  
Lessor, Wm. H. Aug 22  
Lucas Gold Medal Jan 91  
Michigan Tech, first Distinguished Alumnus Award Oct 21  
Mineral Economics Award Feb 22  
Mineral Industry Education Award Jan 91  
National Society of Professional Engineers Award Jun 7  
Old Timers Club Award Aug 22  
Oscarson, P. Evan May 19  
Peele Memorial Award Jan 92  
Percy Nicholls Award Dec 26  
Phillips, Albert F. Feb 34  
Pierce, R. V. Jan 32  
Rand Memorial Gold Medal Feb 29  
Raymond Award, AIME Mar 17  
Reistle, Carl E. Jun 7  
Richards Award Jan 90  
Robie, Edward H. Feb 22  
Saunders Gold Medal Jan 92  
SPE Certificate of Service Feb 22  
Tittmann, Edward McLanahan Feb 29  
Turner, Scott Oct 21  
USBM International Division Feb 44  
Wisconsin Section Man of the Year Mar 24

Zoerb, Howard M. .... Mar 24			Montana Tech Seniors in Students' Who's Who ..... Apr 102
<b>B</b>		<b>J</b>	<b>N</b>
Books:		James, Harold L., appointed chief geologist of USGS ..... Jan 9	National Western Mining Conference and Exhibition ..... May 26
Notices		Joint Engineering Management Council Conference ..... Jul 58	Nevada Section Establishes Fund at Mackay School of Mines ..... Aug 16
Jan 106, Feb 153, Mar 92, Apr 103, May 93, Jun 95, Jul 210, Aug 98, Sep 89, Oct 136, Nov 136, Dec 136	110	Junior Engineers Technical Society Executive Director appointed Feb 154	Northwest Mining Association holds 71st annual convention ..... Feb 51
Government publications ..... Apr 103		<b>K</b>	<b>O</b>
State publications:		Kennecott Copper Corp. open house for Utah Educators ..... Apr 101	Oil Shale Symposium ..... Jan 36, Mar 28, Jun 21
Utah ..... May 99		<b>L</b>	Opinion: ..... Mar 36, Jun 29, Jul 64
N. Mexico ..... Sep 90		Lake Superior Geology Institute ..... Jan 37	<b>P</b>
Brinkerhoff will address SME dinner at AIME Annual Meeting ..... Feb 7		Letters to the Editor: May 6, Sep 5, Nov 6	Pacific Northwest Minerals and Metals Conference Feb 51, Mar 33, Jun 27
Brown, William J., 40,000th member of AIME ..... Feb 47		Louisiana State University: Symposium on Salt-Water Encroachment of Aquifers ..... Sep 26	Parenti, Carl F., appointed executive director of JETS ..... Feb 154
<b>C</b>		Love, John, Gov. of Colorado, Keynote Speaker at Rocky Mountain Minerals Conference ..... Dec 13	Pennsylvania State University: Short course, Computers and Operations Research ..... Jan 107
California, University of at Berkeley: Short Course Geological Engineering ..... Apr 102		<b>M</b>	Workshop for Coal Industry Management ..... Feb 154
Short Course Pacific Marine Geology ..... Apr 101		Mackay School of Mines: Nevada Section Establishes \$2000 Fund to Aid Students ..... Aug 90	Short Course in Rock Mechanics Feb 153
Central Appalachian Section, Coal Division, and West Virginia Coal Institute Joint Meeting ..... Mar 28		Magnetometers ..... Jan 47	Short Course, Water Quality in Coal Preparation Plants ..... May 89
Chicago Section ..... Apr 19		Maps: Notices ..... Jan 109, Feb 154, Apr 103	Percy Donovan (Interview) ..... Aug 65
Clay Minerals Conference ..... Feb 51		Marine Technology Society Conference and Exhibit ..... Apr 32	Perspective: Jan 99, Feb 141, Mar 78, Apr 91, May 85, Jun 82, Jul 203, Aug 87, Sep 78, Oct 127
Colorado School of Mines: Gift from state Historical Society adds to rock collection ..... Mar 89		Meetings: AIME Annual Meeting, 1966 Jan 83, Apr 37, 85	Purdue University: Computer Workshop for Civil Engineers ..... Sep 80
Green Foundation grant for geophysics research ..... Apr 102		AIME Annual Meeting, 1967 Oct 46, Nov 35, Dec 36	<b>Q</b>
Purchases research labs ..... Mar 27		American Power Conference ..... Apr 31	Queens University (Kingston, Ont., Canada): Short Courses in Rock Mechanics, Operations Research, Mathematics, and Mine Ventilation Dust, and Environmental Control Systems ..... Feb 152
Short course Geochemical Exploration ..... Mar 89		Clay Minerals Conference ..... Feb 51	<b>R</b>
Continuing Education ..... Apr 40, Jan 44		Council of Education Dinner ..... Jan 37	Richard, Jack V., named Secretary of the Metallurgical Society ..... May 11
Council of Education Dinner ..... Jan 37		Engineering Foundation Research Conference: "Particulate Matter Systems" ..... May 31	Rock in the Box: Jan 47, Feb 61, Mar 78, Apr 91, Jun 43, Aug 49, Sep 34
<b>D</b>		Exploration Drilling Symposium, 12th Annual (U. of Minn.) ..... Sep 26	Rock Mechanics Symposium (U. of Minn.) ..... Mar 34, Aug 28
Dowdy, Wayne L. SME President ..... Mar 47		Geological Society of America, Northeastern Section, Annual Mtg., Boston, Mass. .... Aug 28	Rocky Mountain Coal Mining Institute ..... Feb 51
(Quarterly report) ..... Jun 21		Inter-American Conference on Materials Technology ..... Jun 27	Rocky Mountain Minerals Conference Apr 31, May 32, Jun 22, Dec 31
An open letter ..... Oct 27		Intermountain Minerals Conference ..... Apr 32	<b>S</b>
<b>E</b>		International Society of Rock Mechanics First Congress ..... Jan 37	San Francisco Section Donates USGS Library Catalog for Public Use ..... Jun 9
Engineering education, goals of ..... Jan 99		Joint Engineering Management Council Conference ..... Jul 58	SEG Field Trip ..... Jan 36
Engineering Foundation Research Conference ..... May 31		Joint Meeting of SME Coal Division, Central Appalachian Section, and West Virginia Coal Institute ..... Mar 28	SEG Sewing, W., retires from AIME ..... Nov 8
Engineers Reference File ..... Jul 89		Lake Superior Geology Institute Jan 37	Sharp, Irene retires from AIME ..... Jul 56
Exploration Drilling Symposium (U. of Minn.) ..... Sep 26		Marine Technology Society Conference and Exhibit ..... Apr 32	SME Fall Meeting, 1966 ..... Apr 25
<b>F</b>		Midwest Forum on Industrial Minerals Geology ..... Jan 37	SME Insurance Plan ..... Dec 17
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<b>G</b>		Minerals Symposium, 11th Annual ..... Feb 51	Southeastern Utah Section's 11th Mineral Symposium ..... Apr 31
Geochemical Prospecting Abstracts Feb 61		National Western Mining Conference and Exhibition ..... May 26	Stephenson to be installed as 1966 President of AIME ..... Feb 33
Geological Society of America, Northeastern Section of Boston, Mass. .... Aug 28		Northwest Mining Association Annual Convention ..... Feb 51	Student shortage in mining Feb 33, Feb 141, May 86
Grants offered for Swedish study tours Jan 107		Oil Shale Symposium, 3rd Annual Jan 36, Mar 28, Jun 21	Symposium on Salt-Water Encroachment of Aquifers (LSU) ..... Sep 26
<b>H</b>		Pacific Northwest Minerals and Metals Conference Feb 51, Mar 33, Jun 27	<b>T</b>
Hawthorn, David G., named Distinguished Lecturer ..... Sep 21		Rock Mechanics Symposium, 8th Annual (U. of Minn.) Mar 34, Aug 28	Take Five: Jan 88, Apr 85, Jun 77, Jul 193, Oct 117, Nov 9
Hibbard, W. R., Jr., sworn in as head of Bureau of Mines ..... Jan 24		Rocky Mountain Coal Mining Institute ..... Feb 51	<b>W</b>
Named to key post on Interior underseas program team ..... Oct 7		Rocky Mountain Minerals Conference Apr. 31, May 32, Jun 22, Dec 13	West Virginia Coal Institute and Central Appalachian Section, Coal Division Joint Meeting ..... Mar 28
Hunt chosen for AIME Honorary Membership ..... Jan 33		SEG Field Trip ..... Jan 36	West Virginia University: World Dredging Conference ..... May 89
<b>I</b>		SME Fall Meeting, 1966 ..... Apr 25	Western Mining Conference ..... May 26
In the Aggregate: Jan 44, Feb 57, Mar 41, Apr 48, May 43, Jun 44, Aug 53, Sep 38, Oct 81, Dec 57		Southeastern Utah Section's 11th Minerals Symposium ..... Apr 31	Wrather Arch in Arizona named for former AIME President William Embury Wrather ..... Mar 27
Indiana, University of: Forum on Industrial Mineral Geology ..... Jan 37		Symposium on Advances in Extractive Metallurgy (Institution of Mining and Metallurgy, London, England) ..... Sep 26	Wyoming Miners Meet ..... Sep 22
IndMD Distinguished Lecturer Program ..... Feb 57		Symposium on Salt-Water Encroachment of Aquifers (LSU) ..... Sep 26	
Institution of Mining and Metallurgy, London, England, Symposium on Advances in Extractive Metallurgy ..... Sep 28		World Dredging Conference ..... Dec 31	
Inter-American Conference on Materials Technology ..... Jun 27		Metallurgical Society Secretary named May 11	
Intermountain Minerals Conference Apr 32		Millikan chosen for AIME Honorary Membership ..... Jan 33	
International Society of Rock Mechanics, First Congress ..... Jan 37		Midwest Forum on Industrial Minerals ..... Jan 37	
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		Mining symposium: 8th Rock Mechanics Symposium Mar 34, Aug 28	
		12th Exploratory Drilling Symposium Sep 26	
		Missouri, University of, at Rolla: Short Course in Rock Mechanics Apr 101	
		Gets Latest Equipment ..... Aug 90	



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